

## iLEAPS-Japan2022 Workshop Program

<b>Date</b>	1 – 2 December, 2022
<b>Venue</b>	Institute for Space-Earth Environmental Research (Research Institutes Building II) Room 409, Nagoya University
<b>Organize</b>	iLeaps Japan-local-committee & Institute for Space-Earth Environmental Research, Nagoya University

### 1 Dec. (Thr)

Chair: Takeshi ISE (Kyoto univ.)

**13:00~13:05** Greeting and Introduction (Hisashi SATO, Chair of iLEAPS-Japan committee )

**13:05~13:10** Logistic information (Tetsuya HIYAMA, ex-chair of iLEAPS-Japan committee)

**13:10~13:35** Chihiro KIKUCHI (Osaka Prefec. Univ.), et al.

Increases in CH<sub>4</sub> uptake associated with rising atmospheric CH<sub>4</sub> concentrations at a temperate forest soil

**13:35~14:00** Kenshi TAKAHASHI (Kyoto Univ.), et al.

Methane emission from the stem surfaces of *Alnus japonica*

**14:00~14:25** Naoya TAKAMURA (Tokyo Univ.), et al.

El Niño-Southern Oscillation forcing on carbon and water cycling in a Bornean tropical rainforest

**14:25~14:50** Kenichi SHINOZUKA (Gifu Univ.) et al.

Nitrate input to the river from atmospheric deposition observed in Yakushima Island, the world natural heritage site

**14:50~15:15** Yuto TASHIRO (Nagoya Univ.), et al.

Possibility of permafrost degradation for the source of the great increase in dissolved iron concentration in the Amur River basin during 1995– 1997

**15:15~15:30** Break

Chair: Hisashi SATO (JAMSTEC)

**15:30~15:55** Munseon BEAK (Chiba Univ), et al.

Generating a new land cover product across Siberia by fusing global land cover datasets

**15:55~16:20** Yuhei YAMAMOTO (Chiba Univ.), et al.

Terrestrial vegetation monitoring using Himawari-8 hyper-temporal land surface temperature data

**16:20~16:45** Hantao LI (Hokkaido Univ.), et al.

Mapping Forest Canopy Height over Japan Using Multisource Remote Sensing Data

**16:45~17:10** Kazuhito ICHII (Chiba Univ), et al.

Toward hyper-temporal terrestrial monitoring with new generation geostationary satellites

**17:10~17:35** Masayuki KONDO (Nagoya univ.)

Key uncertainties in the uncertain world of biogeochemistry

**17:35~17:45** Closing

**18:30~20:30** Social hour (at restaurant Hananoki)

## 2 Dec. (Fri)

Chair: Masayuki KONDO (Nagoya univ.)

**09:00~09:25** Maki NAKAGUKI (Hokkaido Univ.), et al.

Projected climate change impacts on wheat production by process-based model  
MATCRO-Wheat

**09:25~09:50** Astrid Yusara (Hokkaido Univ.), et al.

Development of the process-based soybean growth model (MATCRO-Soybean)

**09:50~10:15** Hisashi SATO (JAMSTEC)

Predicting dominant terrestrial biomes at a global scale: Assessments of machine  
learning algorithms, climate variables indexing, and extreme climate

**10:15~10:25** Break

**10:25~10:50** Yoshiki FUKUTOMI (Nagoya Univ.), et al.

Characteristics of Synoptic-Scale Waves in the Northern Eurasian Storm Track  
during Summer

**10:50~11:15** Akihiko ITO (NIES) Online

Ammonia volatilization simulated by global biogeochemical models

**11:15~11:30** Closing

※Presentation (15mins) + Q&A (10 mins)

### Zoom links for on-line participation

**DAY1 (1<sup>st</sup> Dec, 2022) 13:00~17:45**

<https://us02web.zoom.us/j/83773797036?pwd=N2lDMmNQd3NNb28yUExtTG5KOFBwZz09>

**DAY2 (2<sup>nd</sup> Dec, 2022) 09:00~11:55**

<https://us02web.zoom.us/j/83853765819?pwd=YnVpT0RCQU55SVhLVG5JSjgvLzdPQT09>